Europäisches Patentamt

Europ an Patent Office

Office européen des brevets



(11) EP 1 152 120 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 12.06.2002 Bulletin 2002/24

(51) Int CI.7: **E21B 43/10**, E21B 43/08

- (43) Date of publication A2: 07.11.2001 Bulletin 2001/45
- (21) Application number: 01304042.3
- (22) Date of filing: 03.05.2001
- (84) Designated Contracting States:

 AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

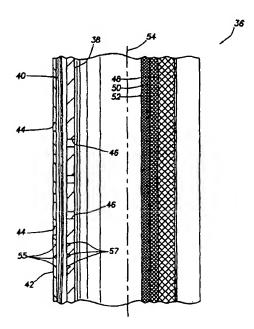
 MC NL PT SE TR

 Designated Extension States:

 AL LT LV MK RO SI
- (30) Priority: 05.05.2000 US 565899
- (71) Applicant: Halliburton Energy Services, Inc. Dallas, Texas 75381-9052 (US)
- (72) Inventors:
 - Castano-Mears, Ana M.
 Coppell, Texas 75019 (US)
 - Gano, John C. Carroliton, Texas 75007 (US)
 - Echols, Ralph H.
 Carrollton, Texas 75287 (US)
- (74) Representative: Curtis, Philip Anthony et al A.A. Thornton & Co., 235 High Holborn London WC1V 7LE (GB)

(54) Expandable well screen

(57) An expandable well screen (36) provides increased collapse, torsional and tensile strength. In an embodiment, the expandable well screen (36) includes a generally tubular base pipe (38) and an external filtering media (40). The well screen (36) is configured to have sufficient torsional and tensile strength for conveyance and positioning in a wellbore, while also having sufficient strength to prevent collapse when the screen (38) is radially expanded.



F1G.2



EUROPEAN SEARCH REPORT

Application Number EP 01 30 4042

		RED TO BE RELEVANT	T			
Category	Citation of document with in of relevant passa		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)		
X	FR 2 771 133 A (DRII 21 May 1999 (1999-09 * claim 1 * * figures 6,7 *		1,9	E21843/10 E21843/08		
X	US 3 099 318 A (MILI 30 July 1963 (1963-(* column 7, line 29- * figures 1-4 *	1,9				
X	WO 98 49423 A (SHELE RESEARCH (NL)) 5 November 1998 (199 * page 4, line 28-39 * figures 3,4 *		7			
A	US 5 901 789 A (KEN AL) 11 May 1999 (199 * the whole document	9-05-11)	1,3,5, 7-10			
				TECHNICAL FIELDS		
				E21B		
		·				
	The present search report has I	een drawn up for all claims	-			
	Place of search	Date of completion of the search		Examiner		
	THE HAGUE	19 April 2002	19 April 2002 Sch			
X;par Y;par doo	CATEGORY OF CITED DOCUMENTS licularly relevant if taken alone itcularly relevant if combined with anot ument of the same callegory hinological background.	E : eaffer petent d after the fibring d O : document cited L : document cited	T: theory of principle underlying the invention E: earlier petent document, but published on, or after the filting date D: document clied to the application L: document clied for other reasons 8: member of the same patent family, corresponding			

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 01 30 4042

This annex firsts the patient family members relating to the patient documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-04-2002

	Patent docume cited in search re		Publication date		Patent family member(s)	Publication date
FR	2771133	A	21-05-1999	FR	2771133 A1	21-05-1999
				AU	1159199 A	07-06-1999
			· • • • • • • • • • • • • • • • • • • •	WO	9925951 A1	27-05-1999
US	3099318	A	30-07-1963	NONE		
WO	9849423	A	05-11-1998	ΑU	717503 B2	30-03-2000
				AU	7651798 A	24-11-1998
				BR	9809005 A	08-08-2000
				WO EP	9849423 A1 0980462 A1	05-11-1998 23-02-2000
				NO	995248 A	27-10-1999
US	5901789	Α	11-05-1999	AU	710745 B2	30-09-1999
				AU	7568096 A	29-05-1997
				BR DE	9611456 A 69617258 D1	17-02-1999
				EA	980433 .A1	03-01-2002 29-10-1998
				WO	9717524 A2	15-05-1997
				EP	0859902 A2	26-08-1998
-				JP	11514712 T	14-12-1999
				NO	982087 A	07-07-1998
				NZ	322015 A	28-10-1999
				US	6012522 A	11-01-2000
			•			

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82